

IN THE CLAIMS:

1.-39. (Cancelled)

40. (Currently Amended) A condition data collecting system for promoting a growth
or health of living organisms of a culture comprising:

multiple controlling systems that promote a growth or health of living organisms
of a culture by controlling at least a light irradiated on the living organisms culture, and an
5 information processing system that is communicably connected with the controlling systems,
wherein

the multiple controlling systems includes an environment controlling unit
including at least a light irradiating unit for providing light of a characteristic to promote growth
of a specific living organism the culture,

10 the information processing system includes

an environmental data receiving part that receives relevant environmental data
which is data concerning an environment of the living-organism culture including data on the
light for promoting a growth irradiated on the living-organism culture from a first controlling
system;

15 an environmental data administrating part that administers the environmental data
received by the environmental data receiving part;

an environmental data delivering part that obtains the environmental data
administered by the environmental data administrating part and delivers the environmental data
to a second controlling system when the environmental data delivering part receives an
20 environmental data request signal from the second controlling system;

a royalty data producing part that produces royalty data which is a value to be received in return for disclosing the environmental data originally produced by the first controlling system to the second controlling system, in relationship to a controlling system in relationship to a controlling system identifier that identifies the first controlling system when the environmental data is received or delivered;

a state data receiving part that receives state data including image data of ~~living organisms or the culture~~ a state of a midstream process;

a state data administrating part that administers the state data received by the state data receiving part;

a state data delivering part that delivers a part or all of the state data administered by the state data administrating part to the second controlling system; and

an assessment data obtaining part that obtains the assessment data showing an assessment of an effectiveness or uniqueness of the environmental data administered by the environmental data administrating part, wherein

the royalty data producing part produces the royalty data which is based on a content of the assessment data obtained by the assessment data obtaining part.

41. (Previously Presented) The condition data collecting system of claim 40 wherein the information processing system further includes:

a payment data obtaining part that obtains payment data concerning payment or a guarantee of payment in compensation for the environmental data delivered in accordance with a controlling system identifier that identifies the second controlling system requesting the environmental data, wherein

the environmental data delivering part obtains the environmental data from the environmental data administrating part and delivers the environmental data to the other controlling system identified by the controlling system identifier provided that the payment data
10 obtaining part has obtained the payment data; and

the royalty data producing part produces the royalty data in relationship to the controlling system identifier of the first controlling system provided that the payment data obtaining part has obtained the payment data.

42. (Previously Presented) The condition data collecting system of claim 40 wherein the royalty data producing part produces the royalty data in accordance with the specific environmental datum or data delivered by the environmental data delivering part.

43. (Previously Presented) The condition data collecting system of claim 40 wherein the royalty data producing part produces the royalty data in accordance with an amount of environmental data used.

44. (Previously Presented) The condition data collecting system of claim 40 wherein the information processing system further includes:

an assessment data obtaining part that obtains assessment data showing an assessment of uniqueness or effectiveness of the environmental data administered by the
5 environmental data administrating part, wherein

the environmental data delivering part delivers the environmental data provided that contents of the assessment data obtained by the assessment data obtaining part meets a predetermined requirement.

45. (Cancelled)

46. (Previously Presented) The condition data collecting system of claim 40 wherein the environmental data delivering part delivers source information indicating the first controlling system as being the source of the environmental data, with this information being attached to the environmental data delivered to the other controlling system only when the content of the information concerning the permission to disclose the source, which is received from the first controlling system, is designated to be disclosed.

47. (Currently Amended) The condition data collecting system of claim 40 wherein the state data includes image data obtained by a camera imaging the relevant ~~living-organism~~ culture.

48. (Currently Amended) The condition data collecting system of claim 40 wherein the state data delivering part delivers the camera image data included in the state data in the form of sequential images of the ~~living-organism~~ culture.

49. (Currently Amended) The condition data collecting system of claim 40 wherein the information processing system further includes:

a fundamental environmental data storing part that stores a fundamental environmental datum or data in advance; and

a fundamental environmental data delivering part that delivers the fundamental environmental data to each of the multiple controlling systems relative to a ~~common-living-organism~~ culture identified by an identifier data.

50. (Currently Amended) The condition data collecting system of claim 40 wherein the ~~living-organism~~ culture is a plant.

51. (Currently Amended) The condition data collecting system of claim 40 wherein the controlling system includes:

a request signal transmitting part that transmits a request signal to the information processing system requesting delivery of environmental data that is specified by an environmental data identifier;

an environmental data receiving part that receives the environmental data delivered by the information processing system; and

a control means controlling part that controls one or multiple environment control means to control the environment of the ~~living-organism~~ culture, based on the environmental data.

52. (Currently Amended) The condition data collecting system of claim 49 wherein the controlling system further includes:

an environment measuring means that measures values of the environment of the ~~living-organism~~ culture including humidity, CO₂ and temperature;

a measured environmental data receiving part that receives measured environmental data indicating measured values of the environment of the ~~living-organism~~ culture from the environment measuring means that measures the relevant environment.

53. (Currently Amended) The condition data collecting system of claim 40 wherein the controlling system further includes:

a living organism state measuring means that measures the state of growth or ~~health of living organisms~~ of the culture including camera images;

5 a state data receiving part that receives state data as being data concerning the growth ~~or health of the living organism~~ of the culture from the living organism state measuring means; and

 a state data transmitting part that transmits the state data received by the state data receiving part to the information processing system.

54. (Currently Amended) The condition data collecting system of claim 53 wherein the living organism state measuring means comprises an imaging means that images a part or all of the ~~living organism~~ culture.

55. (Previously Presented) The condition data collecting system of claim 54 wherein the environmental data delivered by the information processing system is so arranged as to be incapable of being copied externally and further includes a judgment unit to determine if the source of the environmental data can be disclosed.

56. (Previously Presented) The condition data collecting system of claim 40 wherein the light irradiating means comprises an arrangement multiple LEDs of at least one red LED, blue LED, green LED, white LED, infrared LED, and ultraviolet LED or any combination thereof.

57. (Previously Presented) The condition data collecting system of claim 40 wherein the environmental data transmitting part transmits information concerning the permission to disclose the source information, that indicates which controlling system the environmental data is delivered from, in order to judge whether or not the source information is

5 to be attached when the environmental data is delivered from the information processing system to the other controlling system.

58. (Previously Presented) The condition data collecting system of claim 40 wherein the environment controlling means further includes a temperature controlling means including a heater or a window open-close mechanism.

59. (Currently Amended) A condition data collecting system for promoting a growth ~~or a health of a living-organism of a culture~~ in an environment comprising:

means for controlling the environment of the ~~living-organism culture~~;

5 means for measuring the environment of the ~~living-organism culture~~ to produce environmental data concerning the environment of the ~~living-organism culture~~ ~~including at least one of an electroencephalograph, a clinical thermometer, a heart rate measuring instrument, or a skin resistance meter~~;

means for measuring the state of the ~~living-organism culture~~ to produce state data concerning a state of the ~~living-organism culture~~;

10 a first controlling system connected to the means for controlling the environment of the ~~living-organism culture~~, the means for measuring the environment of the ~~living-organism culture~~, and the means for measuring the state of the ~~living-organism culture~~, the first controlling system controlling the means for controlling the environment of the ~~living-organism culture~~, receiving the environmental data, and receiving the state data; and

15 an information processing system connected to the first controlling system, the information processing system including

an environmental data receiving unit receiving the environmental data from the first controlling system,

an environmental data administrating unit connected to the environmental data receiving unit, the environmental data administrating unit administering the environmental data received by the environmental data receiving unit,

a state data receiving unit receiving state data from the first controlling system,

a state data administrating part administering the state data received by the state data receiving part,

a state data delivering part delivering the state data administered by the state data administrating part to the second controlling system,

an assessment data obtaining unit obtaining assessment data showing an assessment of uniqueness or effectiveness of the environmental data administered by the environmental data administrating unit,

an environmental data delivering unit obtaining the environmental data administered by the environmental data administrating unit and delivering the environmental data to a second controlling system when the environmental data delivering unit receives an environmental data request signal from the second controlling system and the assessment of uniqueness or effectiveness of the environmental data meets a predetermined requirement, and

means for transferring monetary value from the second controlling system to the first controlling system based on the assessment of uniqueness or effectiveness of the environmental data when the second controlling system receives environmental data originally produced by the first controlling system.

60. (Currently Amended) A condition data collecting system for promoting a growth
~~or health of living organisms of a culture~~ comprising:

multiple controlling systems that promote a growth or health of living organisms
by controlling at least a light irradiated on the living organisms, and an information processing
5 system that is communicably connected with the controlling systems, wherein:

the multiple controlling systems includes an environment controlling unit
including at least a light irradiating unit, for providing light of a characteristic to promote growth
of ~~a specific living organism~~ the culture,

the information processing system includes

10 a fundamental environmental data storing part that stores a fundamental
environmental datum or data in advance; and

a fundamental environmental data delivering part that delivers the fundamental
environmental data to each of the multiple controlling systems relative to ~~a common living
organism culture~~ identified by an identifier data;

15 an environmental data receiving part that receives relevant environmental data
which is data concerning an environment of the ~~living organism~~ culture including data on the
light being irradiated on the ~~living organism~~ culture from a first controlling system by the light
irradiating unit;

an environmental data administrating part that administers the environmental data
20 received by the environmental data receiving part;

an environmental data delivering part that obtains the environmental data
administered by the environmental data administrating part and delivers the environmental data

to a second controlling system including a second light irradiating unit for providing light when the environmental data delivering part receives an environmental data request signal from the
25 second controlling system and the environmental data is judged to meet a predetermined condition of effectiveness;

a royalty data producing part that produces royalty data which is a value to be received in return for disclosing the environmental data originally produced by the first controlling system to the second controlling system, in relationship to a controlling system
30 identifier that identifies the first controlling system when the environmental data is received or delivered;

a state data receiving part that receives state data which is data concerning a state of a midstream process or a final result of a culture or cure of the specific living organism;

a state data administrating part that administers the state data received by the state
35 data receiving part subject to a royalty obligation based on the royalty data; and

a state data delivering part that delivers a part or all of the state data administered by the state data administrating part to the second controlling system, the state data enabling the second controlling system to conform the provided light in relationship to the data on the light irradiation from the first controlling system.